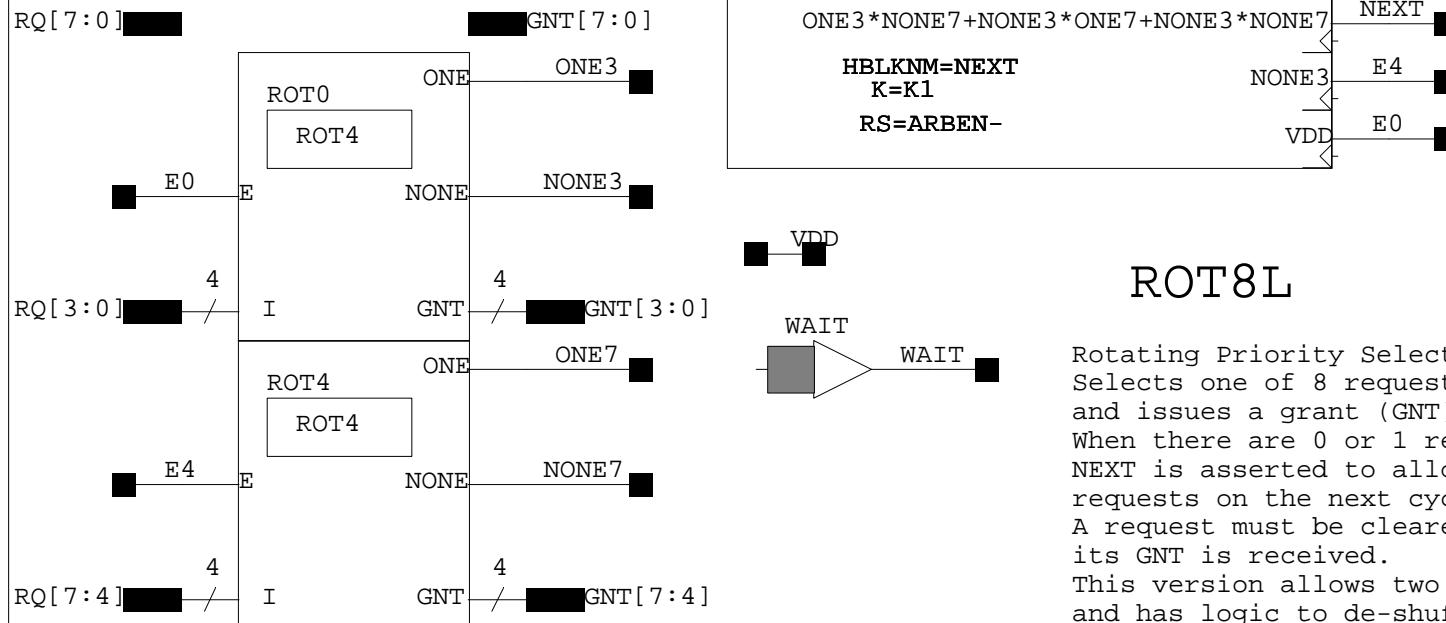


NEXT=Exactly 1 or 0 inputs are on



Rotating Priority Selector
Selects one of 8 requests (RQ)
and issues a grant (GNT).
When there are 0 or 1 requests,
NEXT is asserted to allow more
requests on the next cycle.
A request must be cleared when
its GNT is received.
This version allows two 4-word transfers at a time
and has logic to de-shuffle the words.